

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1309	(606/181-183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/30 16:24
L2	2556	(600/573,578,583).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/30 16:24
L3	3560	L1 L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/09/30 16:24
L4	174	L3 and @pd> "20110301"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/09/30 16:24
L9	0	(lanc\$4 and reciproca\$4 and movement and conversion).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/09/30 16:32
S1	2	("5318583").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:46
S2	2	("5318584").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:47
S3	0	(2003/0028126).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:48
S4	2	("20030028126").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:48
S5	0	("("20030028126"   "5318583"   "5318584"). PN.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/28 14:33

S6	6	("20030028126"   "5318583"   "5318584").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/28 14:33
S7	14	((MASAHIRO) near2 (FUKUZAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 14:39
S8	6	((YOSHIOHARU) near2 (UEHATA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 14:47
S9	50	(US-20040044267-\$ or US-20060200181-\$ or US-20060206135-\$ or US-20060224171-\$ or US-20070055298-\$ or US-20040243165-\$).did. or (US-3621113-\$ or US-3659608-\$ or US-3675300-\$ or US-3757401-\$ or US-3760809-\$ or US-3999268-\$ or US-4035901-\$ or US-4236269-\$ or US-4255005-\$ or US-4312122-\$ or US-4449294-\$ or US-4606279-\$ or US-4660570-\$ or US-4706363-\$ or US-4898402-\$ or US-4983178-\$ or US-5879311-\$ or US-5906135-\$ or US-5951493-\$ or US-5951582-\$ or US-5954738-\$ or US-6048352-\$ or US-6071250-\$ or US-6102166-\$ or US-6152942-\$ or US-6156050-\$).did. or (US-6158265-\$ or US-6183489-\$ or US-6209538-\$ or US-6283982-\$ or US-6315738-\$ or US-6396190-\$ or US-6402103-\$ or US-6409554-\$ or US-6451040-\$ or US-6561186-\$ or US-6607543-\$ or US-6645219-\$ or US-6706000-\$ or US-6772911-\$ or US-6878120-\$ or US-6929649-\$ or US-6929650-\$ or US-6969359-\$).did.	US-PGPUB; USPAT	OR	ON	2009/03/28 14:50

S10	50	(US-5879311-\$ or US-5951493-\$ or US-6056701-\$ or US-6071250-\$ or US-6048352-\$ or US-6183489-\$ or US-4416279-\$ or US-4983178-\$ or US-5269800-\$ or US-5857983-\$ or US-5916230-\$ or US-5951582-\$ or US-5951492-\$ or US-5954738-\$ or US-6015392-\$ or US-6099484-\$ or US-6152942-\$ or US-6156050-\$ or US-6315738-\$ or US-6319210-\$ or US-6332871-\$ or US-6352514-\$ or US-6358265-\$ or US-6558402-\$ or US-6645219-\$ or US-6706000-\$).did. or (US-6793633-\$ or US-6840912-\$ or US-6929649-\$ or US-6929650-\$ or US-6986777-\$ or US-7025774-\$ or US-7051495-\$ or US-7131984-\$ or US-7141058-\$ or US-7198606-\$ or US-7214200-\$ or US-7226461-\$ or US-7229458-\$ or US-7232451-\$ or US-7235056-\$ or US-7238192-\$ or US-7244265-\$ or US-7247144-\$ or US-7250056-\$ or US-7258693-\$ or US-7264627-\$ or US-7288102-\$ or US-7291117-\$ or US-7297122-\$).did.	USPAT	OR	ON	2009/03/28 14:51
S11	19	2003/0225429	USPAT	OR	ON	2009/03/28 15:27
S12	19	2003/0225429	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/28 15:28
S13	3	"20030225429"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/28 15:28
S14	5	"0113794"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/28 15:44

S15	10	"7144404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/28 15:45
S16	21	("5196025"   "5267963"   "5304193"   "5318583"   "5527334"   "5628764"   "5938679"   "5997561"   "6022366"   "6152942"   "6231531"   "6409740"   "6858015").PN. OR ("7144404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 15:46
S17	1005	(606/181-183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/28 15:52
S18	915	S17 not (S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/28 15:52
S19	2042	(600/573,578,583).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/28 16:08
S20	1846	S19 not (S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/28 16:09
S21	13	(US-20030028126-\$ or US- 20030225429-\$).did. or (US-5318583-\$ or US- 5318584-\$ or US-6929649- \$ or US-6607543-\$ or US- 7144404-\$ or US-5196025- \$ or US-6858015-\$ or US- 4643189-\$ or US-4924879- \$ or US-7470238-\$).did. or (WO-0113794-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/03/28 16:35
S22	21	("5196025"   "5267963"   "5304193"   "5318583"   "5527334"   "5628764"   "5938679"   "5997561"   "6022366"   "6152942"   "6231531"   "6409740"   "6858015").PN. OR ("7144404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 16:41
S23	1713	Lancet and (shuttle or carriage) and linear	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 17:36
S24	5	Lancet same (shuttle or carriage) same linear	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/28 17:37

S25	13	(US-20030028126-\$ or US-20030225429-\$).did. or (US-5318583-\$ or US-5318584-\$ or US-6929649-\$ or US-6607543-\$ or US-7144404-\$ or US-5196025-\$ or US-6858015-\$ or US-4643189-\$ or US-4924879-\$ or US-7470238-\$).did. or (WO-0113794-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/03/30 14:52
S26	11	(US-20030028126-\$ or US-20030225429-\$).did. or (US-7470238-\$ or US-7144404-\$ or US-6929649-\$ or US-6607543-\$ or US-5318584-\$ or US-5318583-\$ or US-5196025-\$ or US-4924879-\$ or US-4643189-\$).did.	US-PGPUB; USPAT	OR	ON	2009/04/06 12:04
S27	1058	(606/181-183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/01 14:28
S28	2148	(600/573,578,583).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/01 14:28
S29	3005	S27 S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/01 14:28
S30	139	S29 and @pd>"20090410"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/01 14:28
S31	13	(US-20030028126-\$ or US-20030225429-\$).did. or (US-5318583-\$ or US-5318584-\$ or US-6929649-\$ or US-6607543-\$ or US-7144404-\$ or US-5196025-\$ or US-6858015-\$ or US-4643189-\$ or US-4924879-\$ or US-7470238-\$).did. or (WO-0113794-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2010/07/07 17:35
S32	1147	(606/181-183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/07/07 20:01

S33	2267	(600/573,578,583).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/07/07 20:01
S34	3181	S32 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/07/07 20:01
S35	170	S34 and @pd> "20091204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/07/07 20:01
S36	13	(US-20030028126-\$ or US-20030225429-\$).did. or (US-5318583-\$ or US-5318584-\$ or US-6929649-\$ or US-6607543-\$ or US-7144404-\$ or US-5196025-\$ or US-6858015-\$ or US-4643189-\$ or US-4924879-\$ or US-7470238-\$).did. or (WO-0113794-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/16 14:17
S37	13	("3797488"   "4449529"   "4517978"   "4735203"   "5196025"   "5267963"   "5304193"   "5318583"   "5527334"   "5628764"   "5741288"   "6022366"   "6231531").PN. OR ("6607543").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/16 14:23
S38	11	("4924879"   "5029583"   "5196025"   "5318583"   "5318584"   "5997561"   "6071249"   "RE35803"). PN. OR ("6858015").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/16 14:24
S39	147	("3358689"   "3797488"   "4203446"   "4442836"   "4469110"   "4535769"   "4643189"   "4895147"   "4924879").PN. OR ("5318584").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/16 14:25
S40	102	("3358689"   "3742954"   "3797488"   "4203446"   "4442836"   "4469110"   "4535769"   "4643189"   "4850973"   "4895147"   "4924879"   "5324303"   "5423847"   "5454828"   "5480387").PN. OR ("RE35803").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/16 14:33

S41	16	(US-20030028126-\$ or US-20030225429-\$).did. or (US-5318583-\$ or US-5318584-\$ or US-6929649-\$ or US-6607543-\$ or US-7144404-\$ or US-5196025-\$ or US-6858015-\$ or US-4643189-\$ or US-4924879-\$ or US-7470238-\$ or US-5997561-\$ or US-RE35803-\$ or US-7691117-\$).did. or (WO-0113794-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/16 15:39
S42	41	("4924879"   "5029583"   "5196025"   "5304193"   "5527334"   "5554166"   "5938679"   "6206901").PN. OR ("6929649").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/16 15:51
S43	33	("20030050656"   "20030225429"   "20040092996"   "4203446"   "4328879"   "5318583"   "6045567"   "6210421"   "6231531"   "6858015"   "6929649"   "7033371"   "7144404"   "7244266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/16 16:27
S44	26	(US-20030028126-\$ or US-20030225429-\$ or US-20030050656-\$).did. or (US-5318583-\$ or US-5318584-\$ or US-6929649-\$ or US-6607543-\$ or US-7144404-\$ or US-5196025-\$ or US-6858015-\$ or US-4643189-\$ or US-4924879-\$ or US-7470238-\$ or US-5997561-\$ or US-RE35803-\$ or US-7691117-\$ or US-6210421-\$ or US-6231531-\$).did. or (WO-0113794-\$ or DE-19604156-\$ or EP-1254632-\$ or EP-1336375-\$ or EP-1415593-\$ or EP-1600280-\$ or US-20030050656-\$ or US-20030199912-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/17 14:55
S45	0	"10552841".app.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/17 14:59
S46	0	"10552841".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/17 14:59

S47	1	(10/552841).APP.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/17 14:59
S48	1	(10/557515).APP.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/17 15:09
S49	1229	(606/181-183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/17 17:32
S50	2415	(600/573,578,583).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/02/17 17:32
S51	3375	S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 17:32
S52	182	S51 and @pd> "20100714"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 17:32

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	94	606/181-183	US-PGPUB; USPAT; UPAD	OR	ON	2011/09/30 16:27
L6	0	600/573,578,583	US-PGPUB; USPAT; UPAD	OR	ON	2011/09/30 16:28
L7	2	(600/573,578,583).CCLS.	UPAD	OR	OFF	2011/09/30 16:29
L8	1	(606/181-183).CCLS.	UPAD	OR	OFF	2011/09/30 16:30
L10	0	(lanc\$4 and reciproca\$4 and movement and conversion).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/09/30 16:32
L11	1	(lanc\$4 and reciproca\$4 and move\$5 and conversion).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/09/30 16:32

**9/ 30/ 2011 4:34:13 PM**
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